

28097

E-NR: 5010340

DC/DC Converter MINI 5-32 V -> 3-30 V

FATUM mini DC-DC converter is an easy-to use 32 V, 2 A synchronous step-down regulator.

With a wide input ranges from 4 V to 32 V, it is suitable for various industrial applications for power conditioning from unregulated sources. Peak-current-mode control is employed to achieve simple control-loop compensation and cycle-by-cycle current limiting.

A quiescent current of 75 µA makes the device suitable for battery-powered systems. The device has an option for constant frequency FPWM mode to achieve small output-voltage ripple at light load. Protection features include cycle by- cycle current limit, hiccup-mode short-circuit protection, and thermal shutdown due to excessive power dissipation.

- 4-V to 32-V Input Range
- 2A Continuous Output Current
- Current-Mode Control
- 75-µA Quiescent Current at No Load
- Soft Start into a pre-biased Load
- Output Short-Circuit Protection with Hiccup Mode
- Thermal Protection
- Sabotage Protection

TECHNICAL DETAILS

Current consumption	Max 2A
Dimensions (L x W x H) mm	58 x 76 x 27
Input voltage	5-32 VDC
Product type	Connection accessories
Environment	Indoor
Accessory type	DC Converter
Connection terminal	Contact configuration, Tamper protection
Terminal type	Screw/screw

Series	Mini series
Enclosure	Plastic
Enclosure size	Mini
Product line	Fatum
Product feature	Surface-mounted

ORDER INFORMATION

Model	E-NR	Description
28097.03	5010340	DC-DC Converter MINI, 5-32 V, 3.3-30 V

SCHEMATICS

